

# SEQUENCE LISTING

<110> Centre National de la Recherche Scientifique  
 <120> Polypeptide inhibiting a proton-gated Na<sup>+</sup> channel  
 <130> 7791Prov/PCT  
 <140> 7791Prov/PCT  
 <141> 2001-05-10  
 <150> US 60/203,309  
 <151> 2000-05-10  
 <160> 1  
 <170> PatentIn version 3.0

<210> 1  
 <211> 40  
 <212> PRT  
 <213> Psalmopoeus carmbridgei

<220>  
 <221> CHAIN  
 <222> (1)..(40)  
 <223> Psalmotoxin 1, first potent and specific blocker of the ASIC1A channels

<400> 1

Glu	Asp	Cys	Ile	Pro	Lys	Trp	Lys	Gly	Cys	Val	Asn	Arg	His	Gly
Asp														
1				5				10					15	

Cys	Cys	Glu	Gly	Leu	Glu	Cys	Trp	Lys	Arg	Arg	Arg	Ser	Phe	Glu
Val														
				20				25					30	

Cys	Val	Pro	Lys	Thr	Pro	Lys	Thr
		35				40	